BALANDIN, A.A.; KHIDEKEL', M.L.; PATRIKEYEV, V.V.

Effect of the structure of compounds on the kimetics and direction of their qatalytic hydrogenation. Part 1: Conjugation energy and the kinetics of hydrogenation of benzene, pyridine, and pyrrole.

Zhur.ob.khim. 31 no.5:1410-1423 My '61. (MIRA 14:5)

1. Institut organicheskoy khimii imeni N.D.Zelinskogo Akademii nauk SSSR.

(Benzene) (Pyridine) (Pyrrole) (Hydrogenation)

BALANDIN, A.A.; KHIDEKEL', M.L.; PATRIKEYEV, V.V.

Effect of the structure of compounds on the kinetics and direction of their catalytic hydrogenation. Fart 2: Hydrogenation kinetics of furan, thiophene, and ferrocene on rhodium. Zhur.ob.khim. 11 no.6:1876-1882 Je '61. (MIRA I4:6)

1. Institut organicheskoy khimii imeni N.D.Zelinskogo AN SSSR. (Furan) (Thiophene) (Iron) (Hydrogenation)

\$/062/62/000/001/011/015 B101/B110

AUTHORS: Patrikeyev, V. V., Kozarenko, T. D., and Balandin, A. A.

TITIE: Specific polycondensation of amino acid esters

9

PERICDICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh nauk, no. 1, 1962, 170 - 171

TEXT: Experiments showed that the polycondensation of dl-alanine methylester was greatly accelerated by silica gel. Diketo piperazine (of the cyclic alanine dimer) and polypeptide, ratio 96: 4, are formed. The molecular weight of the polypeptide was higher than in polycondensation by CO₂.

The effect of silica gel modified by organic substances was studied. Freshly precipitated silica gel produced according to V. V. Patrikeyev et al. (Dokl. AN SSSR, no. 4, 851 (1960)) was treated (1) with 2% diketo piperazine solution (produced from alanine); (2) with 2% tripeptide-alanyl control. The impregnated silica gels were dried, pulverized, treated on the water bath with perhydrol, washed with hot water, and dried on the

Specific polycondensation of ...

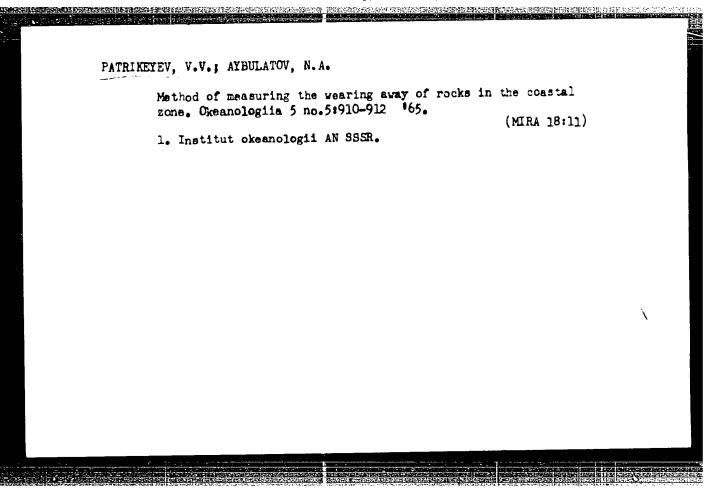
S/062/62/000/001/011/015 B101/B110

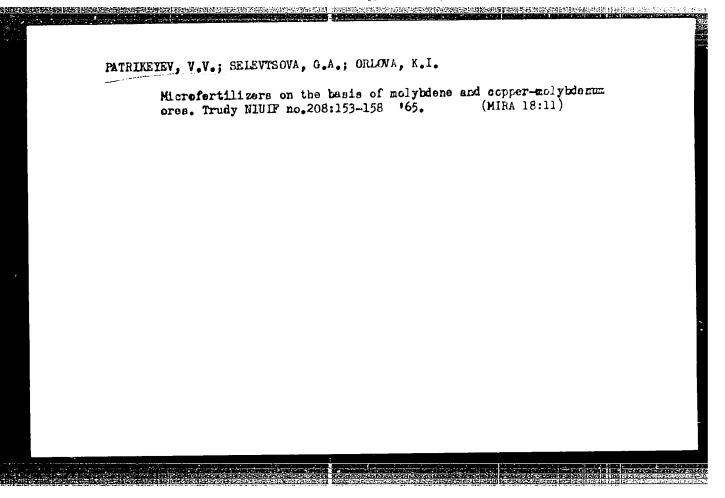
mater_bath. Then, they were reacted with alanine methyl ester (ratio 1: at 37°C . The course of reaction was observed by determining, at certain intervals, the content of nonreacted monomer by extracting with ether About 20% of monomer only was polycondensed after 100 hr without silting gel. With silica gel, monomer consumption was about 90%. The polycondencates were extracted with hot water, and evaporated in vacuo. The linear polymers were adsorbed by an ion exchanger (polystyrene with 4% diviny) benzene, sulfonated under mild conditions), the nonpolar daketo paperazine was eluted with H₂O. The cyclic dimer was identified by Moore and Stein's ninhydrin method (see below). The following was found. The silica gel treated according to (1) yielded a diketo piperazine i polypeptide ratio of 96.5: 3.5; the silica gel treated according to (2) yielded a ratio of 36: 14. The control sample (3) had a ratio of 96: 4. A silica gel pretreated with casein yielded a ratio of 50 : 50. Thus, the specifically modified surface of silica gel acts as a matrix for an oriented specific polycondensation of amino acids. There are 1 figure, 1 table, and 7 references: 6 Soviet and ! non-Soviet. The reference to the English-language publication reads as follows. Moore, W. H. Stein, J. Biol. Chem., 201 Card 2/3

S/062/62/000/001/01*/0*5
Specific polycondensation of B101/B110
907 (1954).

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N D Zelinskiy of the Academy of Sciences USSR)

SUBMITTED: July 3, 1961



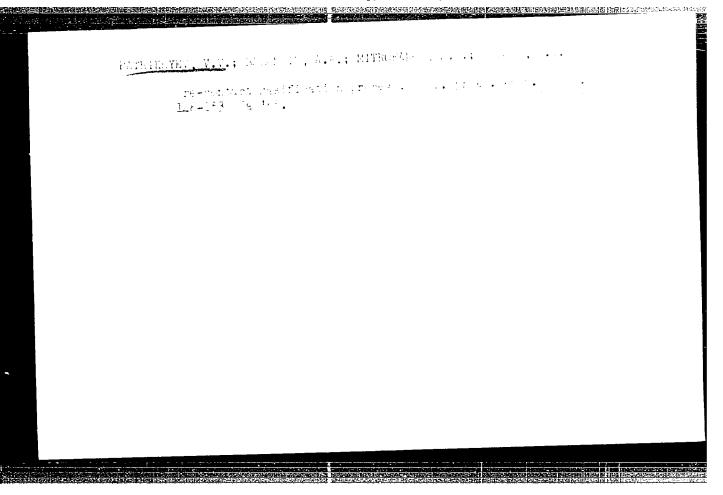


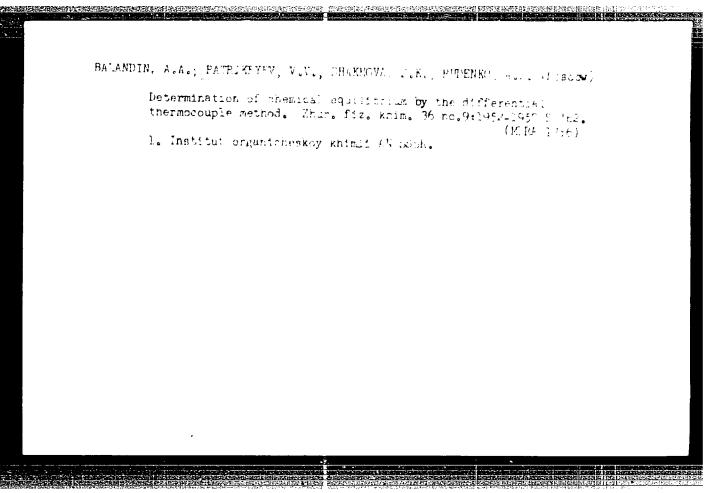
L 1357-66 ACCESSION NR: AP5024365 UR/0286/65/000/015/0033/0033 534.321.9:543.41 AUTHOR: Patrikeyev, V. V.; Sholin, A. F. TITLE: A method for visual observation of ultrasonic fields. Class 12, No. 173239 SOURCE: Byalleten' izobreteniy i tovarnykh znakov, no. 15, 1965, 33 TOPIC TARS: ultrasonic field, ultrasonic radiation ABSTRACT: This Author's Certificate introduces a method for visual observation of ultrasomic fields with subsequent analysis by the shadow method. To fix and preserve the patterns of complex ultrasonic fields, a quick-setting gel is exposed on which a surface relief is formed which can be observed not only during the ultrasonic exposure, but after its conclusion. ASSOCIATION: none SUBMITTED: 16Mey81. SUB CODE: 300 MET SOV: 000 OTHER: 000 Card 1/1

BALASHOVA, S.A.; PATRIKEYEV, V.V.; BALANDIN, A.A.

***Minito_repare a chemical model of the action of alcohol dehydrogenase. 1zv. AN SSSR. Ser. khim. no.7:1273-1274 *65. (MIRA 18:7)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.





PATRIKEYEV, V.V.; SHOLIN, A.F.; NIKIFOROVA, I.A.

Specific silica gels and the method for separating complex mixtures of organic substances. Izv. AN SSSR. Otd.khim.nauk no.6:1031-1035 Je '63. (MIRA 16:7)

1. Institut organicheskoy khimii imeni N.D.Zelinskogo AN SSSR. (Silica) (Adsorbents)

I. 12729-63 EWP(n)/EWT(m)/EDS AFFTC/ASD EM/JD ACCESSION NR: AP3002286 S/0062/63/000/006/1031/1035

58

AUTHOR: Patrikeyev, V. V.; Sholin, A. F.; Nikiforova, I. A.

TITLE: Specific formulation of silica gels and the method of separation of complex organic mixtures

SOURCE: AN SSSR. Izv. Otdeleniye khimicheskikh nauk, no. 6, 1963, 1031-1035

TOPIC TAGS: specific silica gel preparation, methylestosteron separation from entylestosteron

ABSTRACT: The method of preparation of specific silica gels by means of introducing formulating material into the gel shows possibilities of preparation of such adsorbents; including adsorbents for the substances insoluble in water solutions. The specificity of these gels was proved by the fact that they separate not only the different compounds from each other, but also their isomers. A general method for separating the previously inseparable substances from the complex mixtures by means of preparation of specific silica gels directly from the existing industrial silica gels has been presented. A method is found for the separation of complex alkaloid mixtures from the groups of substituted hormones. Orig. art. has: 1 table.

Association: Inst. of Organic Chemistry, Academy of Sciences SSSR Cord 1/2)

PATRIKEYEV, V.V.; SMIRNOVA, Z.S.; MAKSIMOVA, G.I.

Some biological properties of specifically formed silica gel.

Dokl. AN SSSR 146 no.3:707-709 S 162. (MIRA 15:10)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR. Predstavleno akademikom A.A.Balandinym.
(Silica)

PATRIKEYEV, V.V.; SHAKHOVA, S.K.

Application of the refractometric method of analysis for the study of catalytic reaction equilibrium. Izv.AN SSSR.Ser.khim. (MIRA 16:9)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR. (Catalysis) (Refractometry)

S/887/61/000/000/028/069 E194/E155

AUTHOR:

Patrikeyev, V.V.

TITLE:

A device for visual observation of ultrasonic fields. (A.c. no. 129378, cl. 42k, 4606 (no. 642150 of

October 24, 1959))

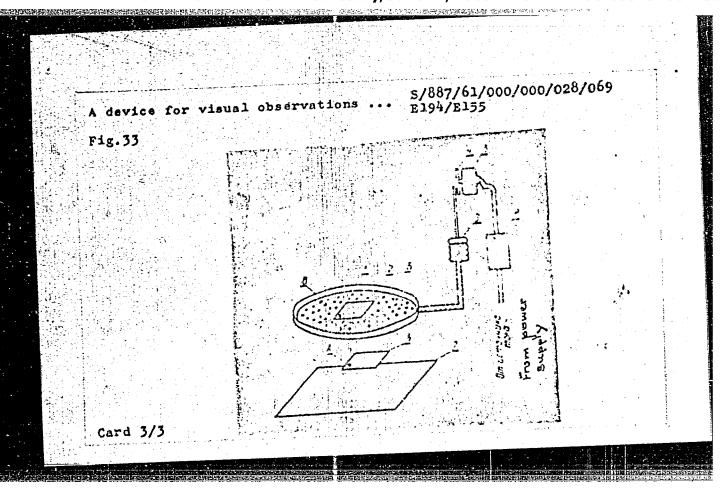
SOURCE:

Sbornik izobreteniy; ul'trazvuk i yego primeneniye. Kom. po delam izobr. i otkrytiy. Moscow, Tsents. byuro tekhn. inform., 1961, 41

TEXT: This device, used during irradiation of objects with ultrasonic beams, is notable for the use of a hermetically-sealed vessel with transparent walls filled with a liquid saturated with gas. The instrument is connected to an aneroid bellows which is used to alter the pressure in the vessel (Fig. 33). The volume of the bellows is altered by a cam driven by an electric motor. When an object placed in the centre of the vessel is irradiated with ultrasonics, gas bubbles are evolved in the liquid which disappear on raising the pressure in the bellows. A pressure and rate of change of pressure are found with which, with convenient irradiation, sonic reflections can easily be observed by the

A devi	ce for visu	al observations	S/887/6 E194/E1	1/000/000/028/06 55	9
scatte	ring of lig re is reduc	ht by gas bubbl	es which are e	volved as the	
	is 1 figure				
[Abstr	actor's not	e: Complete tr	anslation.7		
F1g.33	Device for	r visual observ	ation of ultra	sonic fields.	
F1g. 33	l - vesse	l; 2 - transpa	rent wall; 3	- aneroid bellow	s ;
F18.33	1 - vesse 4 - cam;	l; 2 - transpa 5 - electric m	rent wall; 3 otor; 6 - obj	 aneroid bellow ect; 	s;
F18.33	1 - vesse 4 - cam; 7 - ultra	l; 2 - transpa 5 - electric m sonic source;	rent wall; 3 otor; 6 - obj	 aneroid bellow ect; 	s ;
F18.33	1 - vesse 4 - cam; 7 - ultra: A - flaw	l; 2 - transpa 5 - electric m sonic source; in object;	rent wall; 3 otor; 6 - obj 8 - electric s	 aneroid bellow ect; upply switch. 	s ;
F1833	1 - vesse 4 - cam; 7 - ultra: A - flaw	l; 2 - transpa 5 - electric m sonic source;	rent wall; 3 otor; 6 - obj 8 - electric s	 aneroid bellow ect; upply switch. 	*:
F18-33	1 - vesse 4 - cam; 7 - ultra: A - flaw	l; 2 - transpa 5 - electric m sonic source; in object;	rent wall; 3 otor; 6 - obj 8 - electric s	 aneroid bellow ect; upply switch. 	5:
F18-33	1 - vesse 4 - cam; 7 - ultra: A - flaw	l; 2 - transpa 5 - electric m sonic source; in object;	rent wall; 3 otor; 6 - obj 8 - electric s	 aneroid bellow ect; upply switch. 	S ;
	1 - vesse 4 - cam; 7 - ultra A - flaw; B and B	l; 2 - transpa 5 - electric m sonic source; in object;	rent wall; 3 otor; 6 - obj 8 - electric s	 aneroid bellow ect; upply switch. 	3:
F1g. 33	1 - vesse 4 - cam; 7 - ultra A - flaw; B and B	l; 2 - transpa 5 - electric m sonic source; in object;	rent wall; 3 otor; 6 - obj 8 - electric s	 aneroid bellow ect; upply switch. 	
	1 - vesse 4 - cam; 7 - ultra A - flaw; B and B	l; 2 - transpa 5 - electric m sonic source; in object;	rent wall; 3 otor; 6 - obj 8 - electric s	 aneroid bellow ect; upply switch. 	
	1 - vesse 4 - cam; 7 - ultra A - flaw; B and B	l; 2 - transpa 5 - electric m sonic source; in object;	rent wall; 3 otor; 6 - obj 8 - electric s	 aneroid bellow ect; upply switch. 	5:

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239



PATRIKEYEV, V.V., BALANDIN, A.A., BUTKOV, H.A.

Investigations carried out at lokhan SSSR on gasification of sulfurous petroleum residues.

REPORT presented at the 12th Conference on high molecular weights compounds devoted to monomers, Baku, 3-7 April 62

PATRIKEYEV, V.V.; KOZARENKO, T.D.; PALANDIN, A.A.

Specific polycondensation of amino acid esters. lzv. AN SSSR

'td.khim.nauk no.1:170-171 Ja '62. (MIRa 15:1)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

(Amino acids) (Esters) (Polymerization)

ARRIZOVA, K.S.; PATRIKEYEV, V.V. The attachment apparatus of the rock barnacles Balanus improvisus Darwin and B. eburneus Gould of the Black Sea. Okeanologiia 1 no.4:688-690 '61. 1. Institut okeanologii AN SSSR. (Black Sea--Cirripedia)

A possible approach to the calculation of the motion of sand during a storm. Vest. Mosk. un. Ser. biol., pochv., geol., geog. 14, no.1:217-221 '59. 1. Moskovskiy gosudarstvennyy universitet, Kafedra organicheskogo kataliza. (Ocean bottom)

s/020/60/132/03/57/066 B011/B005

18.8300

Arbuzova, K. S., Patrikeyev, V. V. AUTHORS:

The Role of Balanus in the Corrosion of Stainless Steel in TITLE:

the Black Sea

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 132, No. 3, pp. 693 - 695

TEXT: In previous papers dealing with the same subject (Refs. 1-8) there was no convincing proof that barnacles influence the corrosion of various steel types. The authors wanted to clarify by experiments the causes of corrosion of stainless steel under the barnacles attached to it: 1) They made experiments with marble plates in which electrochemical corrosion was eliminated. 2) To clarify the formation of interspaces between the barnacle shell and the base, experiments were made with plates of stainless steel of the type 1X18H9T (1Kh18N9T) and of glass. The plates were placed into sea water in the port of Batumil for 6 months. The barnacle species clinging to the plates were Balanus improvisus Darwin and B. eburneus Gould. The authors investigated 10,630 partly living, partly dead barnacles

Card 1/3

The Role of Balanus in the Corrosion of Stainless \$/020/60/132/03/57/066 Steel in the Black Sea \$8011/B005

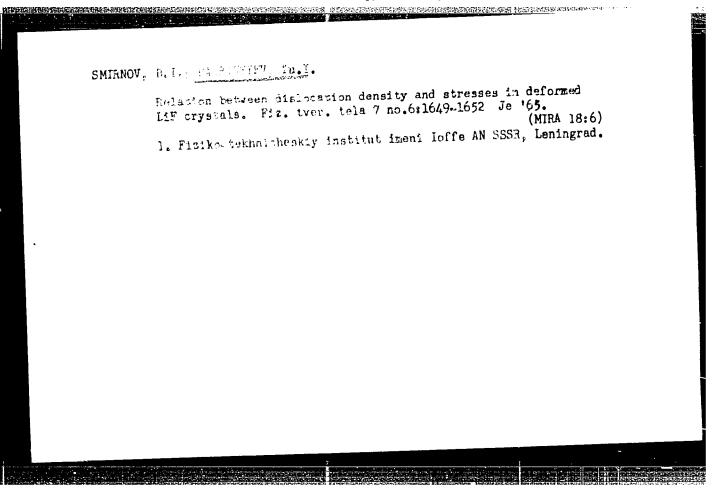
corrosion under other organisms clinging to objects in the sea: Bryozon and Serpulidae. Apparently, no gap is formed between them and their base. There are 10 references, 8 of which are Soviet.

ASSOCIATION: Institut okeanologii Akademii nauk SSSR (Institute of Oceanology of the Academy of Sciences, USSR). Institut organicheskoy khimii Akademii nauk SSSR (Institute of Organic Chemistry of the Academy of Sciences, USSR)

PRESENTED: December 6, 1959, by A. A. Balandin, Academician

SUBMITTED: December 2, 1959

Card 3/3



SMINNOV, B.I.; PATRIKEYEV, Yu.I.

Effect of the conditions of deformation on the Miela strength and dislocation structure of LiF crystals. Fiz. twer. tens 6 (MikA 17.9) no.6:1664-1670 Je '64.

1. Fiziko-tekhnicheskiy institut imeni loffe AN SSSR, Leningrad.

A	CCESSION NR: AP5014558 UR/0181/65/007/006/1649/1652/ UTHORS: Smirnov, B. I.; Patrikeyev, Yu. I.	CARPATAMENTAL MARKET
A	UTHORS: Smirnov, B. I.; Patrikeyev, Yu. I.	
		1
1	n the deformation of Lif crystals	
S	SOURCE: Fizika tverdogo tela, v. 7, no. 6, 1965, 1649-1652	
11	COPIC TAGS: dislocation density, dislocation motion, lithium little correction, deformation deformation, deformation atress, yield point	
-	of conline work by the authors, (FIT	
١	7. 6, 1664, 1964), where it was shown wheld noint of Lif crystals,	
1	is linear in the ultimate yield, regard of the deformation. In the	
(crystal and of the rate and temperature of the deformation dislocative study the authors investigated the density of screw dislocatives of study the authors investigated the density of screw dislocatives of the deformation at 377K, and measured	
	tions in Lif crystals deformed by compression at 377K, and measured tions in Lif crystals deformed by compression at 377K, and measured its dependence on the deformation stress beyond the yield point. In	
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	AGGESSION NR: AP5014558 addition, observations were made of the changes in the dislocation addition, observation of the deformation temperature. The Lif	
	crystal was grown by the Kiropoulos method and annealed. The deroy crystal was grown by the Kiropoulos method and annealed. The deroy crystal was produced by compression along the OOl axis using equipment mation was produced by compression along the OOl axis using equipment mation was produced by compression along the OOl axis using equipment mation was produced by compression along the OOl axis using equipment mation was produced by compression along the OOl axis using equipment mation was produced by compression along the OOl axis using equipment mation was produced by compression along the OOl axis using equipment mation was produced by compression along the OOl axis using equipment mation was produced by compression along the OOl axis using equipment mation was produced by compression along the OOl axis using equipment mation was produced by compression along the OOl axis using equipment mation was produced by compression along the OOl axis using equipment mation was produced by compression along the OOl axis using equipment mation was produced by compression along the OOl axis using equipment mation was produced by compression along the OOl axis using equipment mation was produced by compression along the OOl axis using equipment mation was produced by compression along the OOl axis using equipment mation was produced by compression along the OOl axis using equipment mation was produced by compression along the OOl axis using equipment mation was produced by compression along the OOl axis using equipment mation was produced by compression along the OOl axis using equipment mation was produced by compression along the OOl axis using equipment mation was produced by compression along the OOl axis using equipment mation was produced by compression along the Ool axis using equipment mation was produced by compression along the Ool axis using equipment mation was produced by compression along the Ool axis using equipment mation was produced by compression along the Ool axis using equipment mation was produced b	
	second loading was measured. location density is determined by the yield point and by the linarly location density is determined by the yield point and by the linarly location density with these quantities. A deattained stresses, and varies linearly with these deformed crease in the dislocation density was observed in samples deformed at 300K after first compressing them at 77K. The results are analyzed at 300K after first compressing them at 77K. The results are analyzed at 300K after first compressing them at 77K. The results are determined and compared with those by others, and it is concluded that the	
-	by other factors, besides the dislocation density, and further 5 tody by other factors, besides the dislocation density, and further 5 tody by other factors, besides the dislocation density, and N. I. Bispen, Z. A. in this direction is needed the authors thank N. I. Bispen, Z. A. in this direction is needed the authors thank N. I. Bispen, Z. A. in this direction is needed to authors thank N. I. Bispen, Z. A. in this direction is needed to authors thank N. I. Bispen, Z. A. in this direction is needed to authors thank N. I. Bispen, Z. A. in this direction is needed to authors thank N. I. Bispen, Z. A. in this direction is needed to authors thank N. I. Bispen, Z. A. in this direction is needed to authors thank N. I. Bispen, Z. A. in this direction is needed to authors thank N. I. Bispen, Z. A. in this direction is needed to authors thank N. I. Bispen, Z. A. in this direction is needed to authors thank N. I. Bispen, Z. A. in this direction is needed to authors thank N. I. Bispen, Z. A. in this direction is needed to authors thank N. I. Bispen, Z. A. in this direction is needed to author thank N. I. Bispen, Z. A. in this direction is needed to author thank N. I. Bispen, Z. A. in this direction is needed to author thank N. I. Bispen, Z. A. in this direction is needed to author thank N. I. Bispen, Z. A. in this direction is needed to author thank N. I. Bispen, Z. A. in this direction is needed to author thank N. I. Bispen, Z. A. in this direction is needed to author thank N. I. Bispen, Z. A. in this direction is needed to author thank N. I. Bispen, Z. A. in this direction is needed to author thank N. I. Bispen, Z. A. in this direction is needed to author thank N. I. Bispen, Z. A. in this direction is needed to author thank N. I. Bispen, Z. A. in this direction is needed to author thank N. I. Bispen, Z. A. in this direction is needed to author thank N. I. Bispen, Z. A. in this direction is needed to author thank N. I. Bispen, Z. A. in this direction is needed to author thank N. I. Bispen, Z. A. in this direction is nea	
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ACCESSION NR: AP4039651

5/0181/64/006/006/1664/1670

AUTHORS: Smirnov, B. I.; Patrikeyev, Yu. I.

TITLE: Effect of deformation conditions on the limit of fluidity and dislocation structure of LiF crystals

SOURCE: Fizika tverdogo tela, v. 6, no. 6, 1964, 1664-1670

TOPIC TAGS: deformation mechanism, fluidity, dislocation, lithium floride, shear stress/ MBI 6 microscope

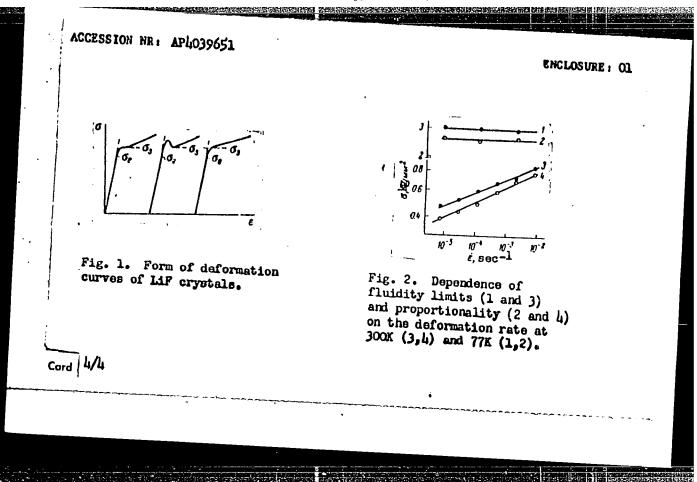
ABSTRACT: Previous experiments with LiF showed that the shear stress Υ was linearly dependent on the dislocation density $\rho(\Upsilon = Q_0)$ where $\rho = 3.7$ dynes/dislocation) and that an increase in γ led to a narrowing of the slippage bands and an increase in ρ . The authors studied the effect of changes in the rate and temperature of deformation on the above relationship. Large LiF crystals contaminated with Mg $\rho = 0.002\%$ and Fe $\rho = 0.001\%$ were annealed at 7500 for 18 hours, cooled at the rate of $\rho = 100\%$ hour, and then segmented. Some segments were reannealed and cooled at $\rho = 100\%$ The specimens ($\rho = 100\%$ had a $\rho = 100\%$ (exposed by etching and examined under the microscope MBI-6). The

Card 1/4

ACCESSION NR: AP4039651

deformation (in the $\sqrt{0017}$ direction) for doubly annealed specimens was tested at 77 and 300K over deformation rates 10-5-10-2 sec-1, and for the singly annealed specimens at the rate 10-4sec-1 at 77, 180 and 300K. Three types of deformation curves were observed (see Fig. 1 on the Enclosure) from which the fluidity limit σ and the limit of proportionality σ_c may be determined. Figure 2 on the Enclosure shows the experimental results which proved $\sigma = B \epsilon^r$ (for the fluidity limit $\sigma_{\rm g}$; at 300K, r = 0.1; at 77K, r \sim 0). Slippage occurred on two orthogonal planes, either on (101) and (101) or (011) and (011). In the initial deformation o remains nearly constant as long as the slippage planes do not cover all the surfaces of the sample. Only the ρ 's of ordinary bands were included in the deformation study on the fluidity plateau at 77, 180, and 300K. Studies were also made with stress maintained for about 1 second, resulting in nearly complete coverage of the sample by slippage planes. Tests of differently hardened crystals distorted the linearity of ρ = β T (β = 2.4-2.7°10° dislocation/kg). The results are discussed in the light of the motion of the dislocations and its relation to the stresses, the number of mobile dislocations (initially constant despite the increase in the total number of dislocations), and the composition of the shear stress T. This shear is determined by the forces of Peierls-Navarro, by dislocation drag at the steps, by impurities and other defects in the lattice, and by Card 2/4

ctor, Tr slocation) scussion, as: 1 tabl	pertains to the group. The authors than and V. R. Regel' for le, 4 figures, and 1	akiy institut iii.	lov for their ohine. Orig. art.
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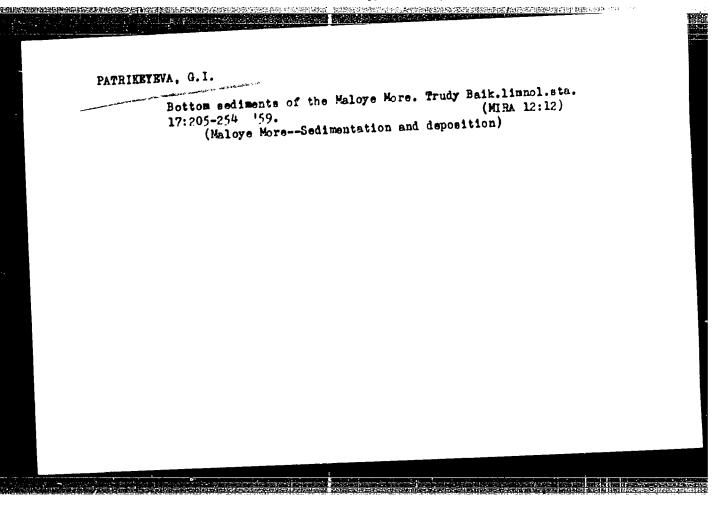


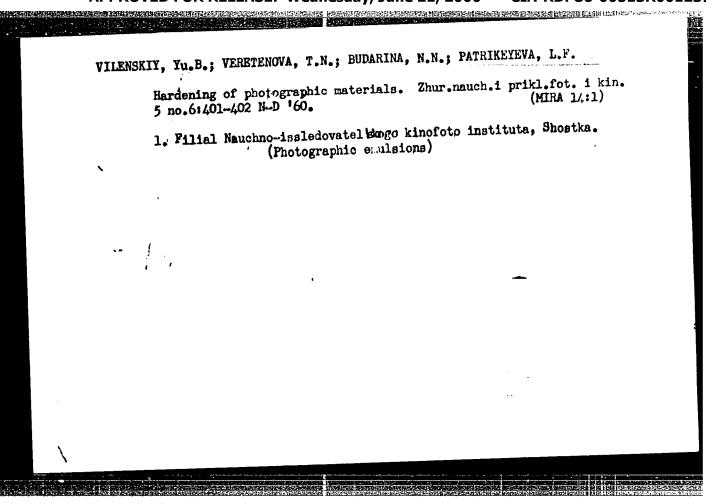
TENENRAUN, M.M., YANOVSKIY, I.I., ARTSIMOVICH, V.H., PATRIKETEVA, E.M.

Machine for testing hard-alloy tools for repeated impact. Zav.
lab. 26 no.7:833-854 660.

1. Vesesoyuznyy nauchno-issledovatel'skiy i proyektnotekhnologicheskiy institut ugol'nogo mashinostroyeniya.

(Testing machines)





DOEROVOL'SKIY, I.P.; PATRIKEYEVA, L.M.; Prinimali uchastiye: CHENOV, A.P.;

KOSTINKO, A.R.; PARTIKA, T.V.

Utilization of pitch distillates for the production of high temperature pitch. Koks i khim. no.4:48-50 '61. (MRA 14:3)

1. Chelyabinskiy metallurgicheskiy zaved (for Dobrovol'skiy, Patrikeyeva). (Chelyabinsk—Pitch)

KREFS. Ye.M.; MANUKYAH, K.G.; PATRIKEXEVA, M.V.; SMIRNOV, A.A.;
CHEMYRAYEVA, Ye.Yu.; CHEMEOVSKAYA, Ye.V.

Phospholipid of substitular brain particles in chick entryogany.
Zhur. evol. blokhim. i fiziol. I no.1:16.25 Ja.F. io.

(MIRA 18:6)

1. Institut evolyutsionnoy finiologii i blokhimii im. I.M. Sechenova
AN SSSR Leningrad. 2. Glavnyy redaktor "Zhurnala evolyutsionnoy
blokhimii i fiziologii" (for Kreps).

L 62782-55 ACCESSION NR: AP5020628 UR/0218/64/029/006/1111/111B

AUTHOR: Kreps, Ye. M.; Manukyan, K. G.; Patrikeyeya, M. V.; Smirnov, A. A.; Chenykayeva, Ye. Yu.; Chirkovskaya, Ye. V.

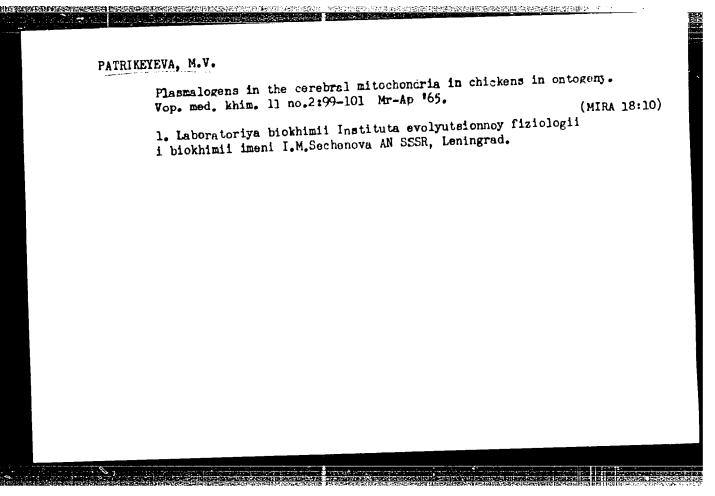
TITLE: Phospholipids of the subcellular particles of hen's brain

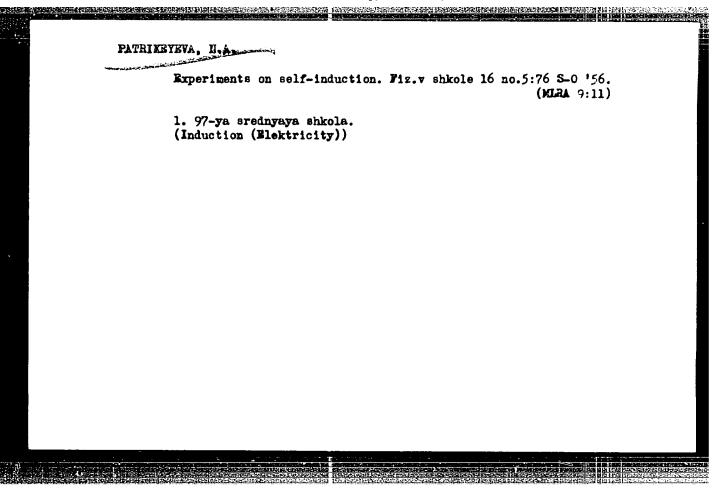
SOURCE: Biokhimiya, v. 29, no. 6, 1964, 1111-1118

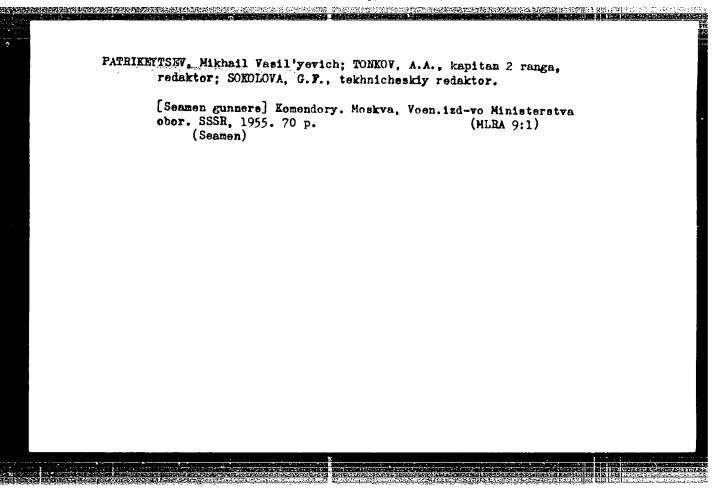
TOPIC TAGS: cell physiology, brain, cytology, experiment animal

Abstract: Investigations were conducted to determine the content of phospholipide in the subcellular particles (mitochondria, microsomes, and nuclei) of a hen's brain. Grown hens of the White Leghorn variety were used in the investigations. A hen's brain separated from the membrane and the thood vessels was reduced to fine particles and homogenized with a solution of saccharose and ethylenediamine tetraacetate for two minutes. The subcellular particles were isolated by differential centrifuging at temperatures of + 2 to four degrees. The phospholipid content in the subcellular particles was determined by paper chromotography. The investigations established that the phospholipid content was largest in the microsomes, and somewhat lower in the mitochondria and nuclei — by 10-15 percent. Some differences characterized the fractions: legithin was

ACCESSION NR: AP5020628 found to be the largest component in all of the fractions; the fraction content of phosphatidilethanol and phosphatidilserine was somewhat smaller; small concentrations of sphingomyelin, phosphatidilinositol, and phosphatidilglycerol were found. An absence of phosphatidilglycerol is characteristic of the microsomes, although it is always present in the mitochondria and nuclei. It was established also that the microsomes contain larger quantities of shingomyelin and lecithin than the other fractions, while the mitochondria contain larger quantities of ethanoaminophosphatide and serinophosphatide. Orig. art. has I figure and 2 tables.	
ASSOCIATION: Institut evolyutsionnoy fiziologii i bickhimii im. I. H. Sechence Akademii nauk SSSR, Leningrad (Institute of Evolutionary Physiology and Block Academy of Sciences SSSR)	ova nemistry,
ASSOCIATION: Institut evolyutsionnoy fiziologii i bickhimii im. T. H. Sechend Akademii nauk SSSR, Leningrad (Institute of Evolutionary Physiology and Block Academy of Sciences SSSR)	ova comistry,







PATRIKEYEVA, N.P. Some data on the petrography of the Izhma-Ozra complex in the southern Timan Ridge. Izv.vys.ucheb.zav.; geol.i razv. no.2:97-99 F '62. (MIRA 15:3) 1. Mcskovskiy gosudarstvennyy universitet imeni Lomonosova. (Timan Ridge—Petrology)

KARGIN, V.A.; FLATE, N.A.; PATRIKEYEVA, T.I.

Copolymorization of potassium scrylate and acrylanide under heterogenous conditions. Vysokom. soed. 6 no.11s2040-2045
N *164 (MIRA 18s2)

1. Moskovskiy gosafarstvennyy universitet imeni Lomonosova.

L 16325-65 EWI(m)/EPF(c)/EPR/EWP(j)/T Pc-4/Pr-4/Ps-4 RPL/ESD(93)/ ESD(t)/ASD(m)-3 WM/RM ACCESSION NR: AP4049155 S/0190/64/006/011/2040/2045

AUTHOR: Kargin, V. A.; Plate, N. A.; Patrikeyeva, T. I.

TITLE: Copolymerization of potassium acrylate and acrylamide under heterogeneous conditions

SOURCE: Vy*sokomolekulyarny*ye soyedineniya, v. 6, no. 11, 1964, 2040-2045

TOPIC TAGS: potassium acrylate, acrylamide, copolymerization, acrylic copolymer, magnesium peroxide, hydrogen peroxide, lead chromate, hydrogen epoxide, polymerization initiator, heterogeneous polymerization, polymerization catalyst, ultraviolet light

ABSTRACT: The copolymerization of potassium acrylate and acrylamide in aqueous solutions induced by an insoluble radical initiator was investigated. A study of the peculiarities of the polymerization of acrylic monomers under heterogeneous conditions showed that the solid surface of the catalyst adsorbing the monomer molecules and initiating the polymerization has a regulating effect on the elementary reaction of chain growth. Water-insoluble inorganic peroxides and salts capable of redox reactions with the formation of free radicals were used as heterogeneous catalysts and water-soluble acrylamide and acrylates were used as monomers. The experimental procedure is described. The tabulated data

Card 1/3

L 16325-65 ACCESSION NR: AP4049155

on copolymerization of potassium acrylate and acrylamide (1:4 by weight) with different initiators, such as magnesium peroxide, hydrogen peroxide in the presence of magnesium oxide, a redox system of lead chromate and sodium thiosulfate hydrogen epoxide, or ultraviolet light show that the copolymer contains a larger amount of acrylate (by 10%) than after homogeneous polymerization, while the results agree well for the three different heterogeneous and homogeneous systems. This shows the independence of the composition of the copolymer of the type of initiator under the conditions of the same reaction mechanism and equilibrium constants of copolymerization. Other experiments with hydrogen peroxide over magnesium oxide also confirmed that the peculiarities of the copolymerization under heterogeneous conditions are correlated with the effect of the solid surface of the catalyst on chain propagation rather than with its initiating effect. The copolymerization of potassium acrylate and acrylamide in the presence of potassium propionate shewed that potassium propionate is adsorbed onto the magnesium oxide, removes the acrylate from the surface of the latter and affects the composition of the copolymer. Euring the copolymerization of potassium acrylate and acrylamide under homogeneous and heterogeneous conditions, the equivalent values of the copolymerization constants r1 and r2 vary. They are 1.35 and 0.78 (in the heterogeneous process) or 0.84 and 1.4(in the homogeneous process). This leads to copolymers of different chemical composition from the same

Card 2/3

L 16325-65

ACCESSION NR: AP4049155

mixture of monomers. The potentiometric titration curves of saponified copolymers of potassium acrylate and acrylamide of the same composition obtained under homogeneous and heterogeneous conditions show that the dissociation constants (pK) of the acids for the copolymers obtained under different conditions have different values. For heterogeneous copolymerization: pK = 4.4597; for homogeneous copolymerization, pK = 4.2760, i.e. Δ pK is equal to 0.1837. The same conclusions as to the different structure of the chains can be drawn from the specific viscosity of the two types of polymer solutions plotted against the pH of the medium. The regulating effect of the heterogeneous catalyst leads to the formation of copolymers which have a different chain microstructure than the copolymers of the same chemical composition, but obtained under homogeneous conditions. Orig. art. has: 3 tables, 4 figures and 3 formulas.

ASSOCIATION: Moskovskiy gosudarstvenny*y universitet im. M. V. Lomonosova (Moscow State University)

SUBMITTED: 24Jan64

ENCL: 00

SUB CODE: OC

NO REF SOV: 003

OTHER: 000

Card 3/3

PLATE N.A.; SHIBAYEV, V.P.; PATRIKEYEVA, T.I.; KARGIN, V.A.

Synthesis and properties of graft copolymers of isotactic and atactic polystyrenes. Vysokom. soed, 3 no.2:292-298 F '61.

(MIRA 14:5)

1. Moskovskiy gosudarstvennyy universitet imeni M. V. Lomonosova.

(Styrene)

15.8600 Q209

8/190/61/003/002/008/012 B101/B215

AUTHORS:

Plate, N. A., Shibayev, V. P., Patrikeyeva, T. I.,

Kargin, V.A.

TITLE:

Synthesis and properties of grafted copolymers of isotactic

and atactic polystyrene

PERIODICAL:

Vysokomolekulyarnyye soyedineniya, v. 3, no. 2, 1961,

292-298

TEXT: In previous papers, the authors together with other collaborators, (Refs.1-4: Vysokomolek.soyed.1,114,1959; 1, 1101, 1959; 1, 1547, 1959; 2, 166, 1960) studied grafted copolymers of chemically and physically different components. The present paper reports on the examination of grafted copolymers consisting of chemically equal chains which are different in structure: copolymers with crystalline, isotactic polystyrene main chains, and amorphous, atactic polystyrene side chains. They were produced by ozonization of isotactic polystyrene (PS) whose atactic fraction was washed out by boiling methyl-ethyl ketone. The fraction insoluble in this solvent, had a molecular weight of 60,000.

Card 1/7

Synthesis and properties of grafted ...

S/190/61/003/002/008/012 B101/B215

Ozonization was conducted in a glass vessel. The experimental conditions are given in a table. After the reaction, No was blown through the apparatus, and evacuated at room temperature; the content of active O, in the sample was determined by elementary analysis. Ozonization of PS films was less effective due to the difficult diffusion of ozone. In agreement with P. Lebel (Ref. 10: Thesis, Paris 1957), the infrared spectrum showed no OH bands thus proving the absence of hydrogen peroxide. Peroxide of experiment no. 5 (see table) served as initiator for the polymerization of atactic styrene monomer. The latter was carried out in phials, either in argon atmosphere or in high vacuum. The optimum was found to be: 1 hr of heating up to 60°C, then 2 hr up to 65°C, 3 hr up to 70°C, and finally 2 hr up to 75°C. Faster increase in temperature led to the formation of network. In solutions (benzene, toluene), polymers of lower degrees of grafting were obtained. Atactic homopolystyrene (side product of the reaction) was removed by a 10 - 15 hr treatment with methyl-ethyl ketone. The molecular weight of the product was 200,000. Grafted copolymers with 17, 31, and 35%

Card 2/7

Synthesis and properties of grafted...

B/190/61/003/002/008/012 B101/B215

contents of atactic components were obtained. Fig. 2 shows a diagram of turbidimetric titration of atactic polystyrene, mechanic mixtures of 35% of atactic plus 65% of isotactic PS, grafted copolymer with 35% of an atactic component, and isotactic PS (solvent: tetralin, precipitant: butanol). The solubility of the grafted copolymer was lower than that of the linear isotactic PS due to larger macromolecules, but higher than that of atactic PS due to the formation of branched chains. The determination of intrinsic viscosity showed the following results: the initial isotactic PS had a Huggin's constant k' = 0.10. k' of the grafted copolymers was 0.40, and k' of copolymers with different contents of atactic components, in agreement with J. A. Manson, L. H. Gragg (Ref. 12: Angew. Chem. 67, 32, 1955), showed no remarkable differences. Fig. 4 gives the thermomechanical properties of the copolymers. The grafted copolymers were found to have a distinct vitrification temperature (90°C), and a high melting point (220-230°C) characteristic of isotactic PS. This is explained by the fact that the structural order of the isotactic component is preserved in the copolymer. Within these two temperatures, the copolymers showed the ability of reversible, highly elastic deformation which was not accompanied by recrystallization. A radiographic analysis Card 3/7

Synthesis and properties of grafted...

S/190/61/003/002/008/012 B101/B215

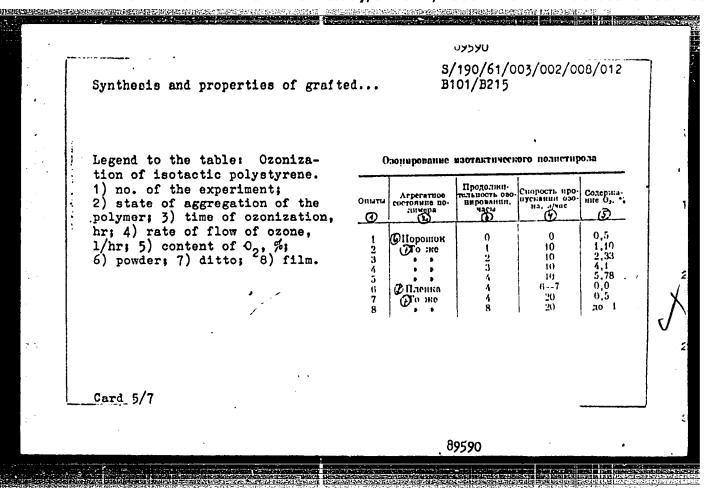
showed that grafting of 17% of the atactic component did not change the diffraction of isotactic PS. 31% of the atactic component showed wider diffraction lines. The examination of copolymers of crystalline and amorphous components is considered to be an important problem.

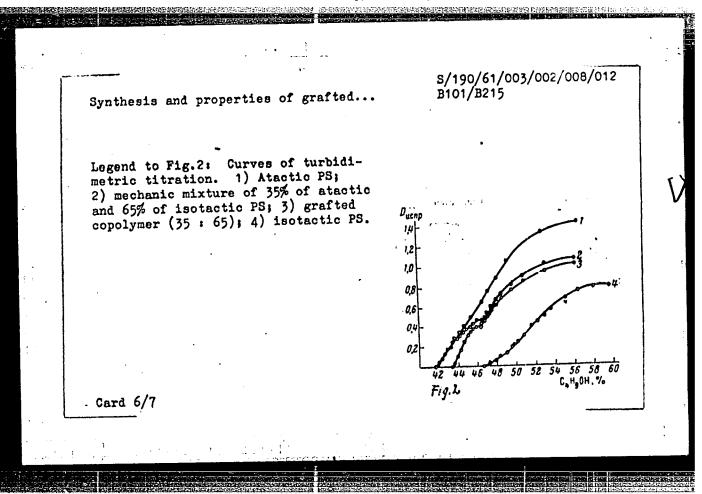
1. Yu. Marchenko (Ref.13: Vysokomolek. soyed., 2, 549, 1960) is mentioned. There are 5 figures, 1 table, and 13 references: 9 Sovietbloc and 4 non-Soviet-bloc. The reference to English language publication reads as follows: Y. Landler, Materials of the Gordon Scientific Conference, USA, 1958.

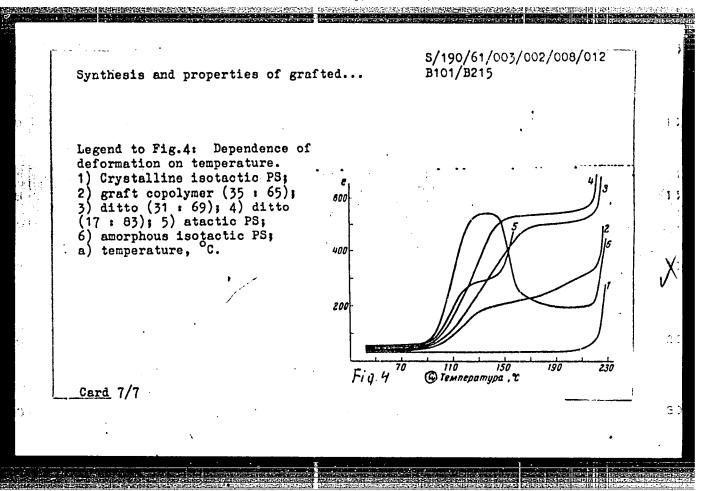
ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov)

SUBMITTED: August 1, 1960

Card 4/7





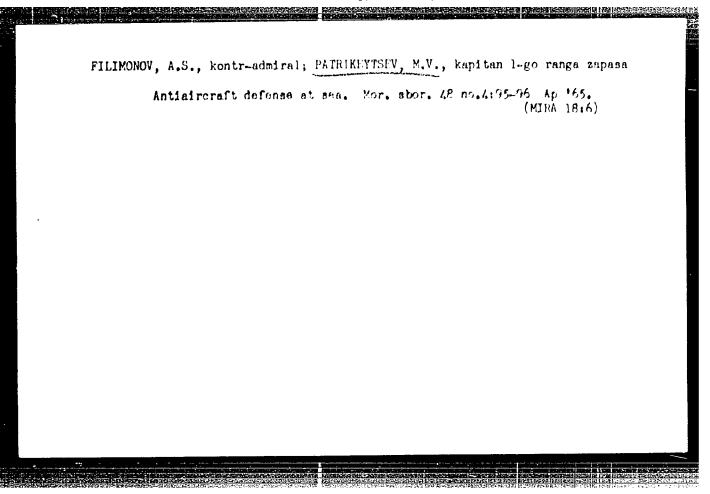


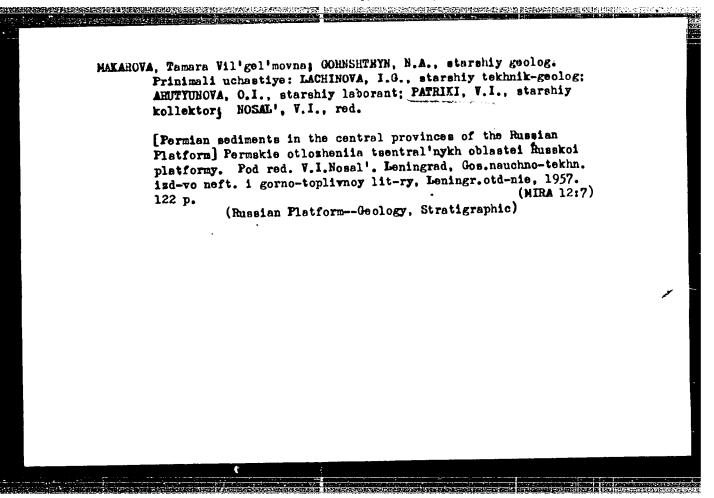
APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

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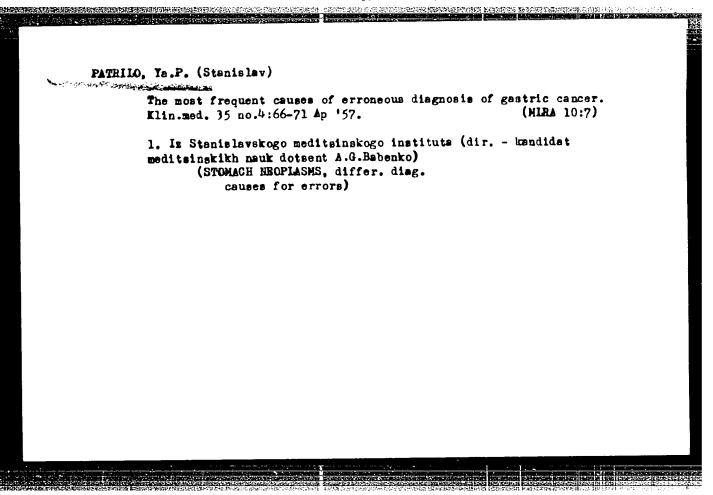
[Quided rocket launching] Pusk upravliaemykh raket. Moskva, Voenizdat, 1963. 81 p. (MIRA 17:1)

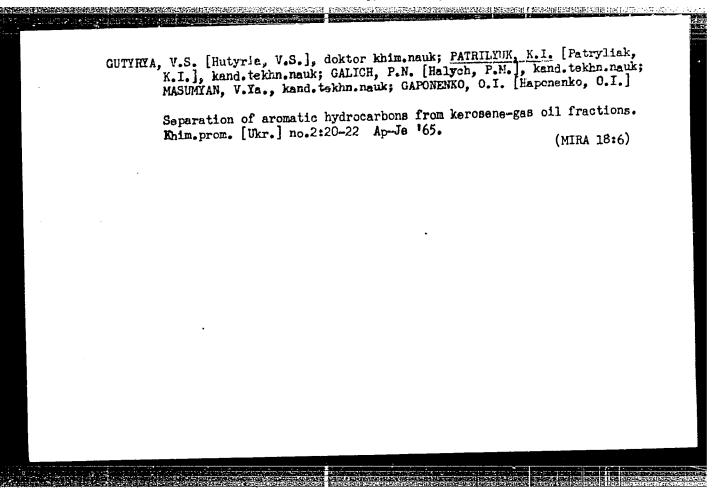




PATRILO, To See a led Sci-(sit.) "That from much someon of the scone displaced of concer of the stemped and a compartive even time of cortain lamb torp methods for its signation" Livov, let . 15 ee , Livov State and Last), 200 co in (17,47-5,126)

IVANOVA, T.1.; FATRILO, Ya.P.; SENYUTOVICH, V.F.; YURKEVICH,	М. А.
Microflora of the gastrie contents in stometh was ere mikrobiol., epid. i immun. 41 n 5 5 128 tty fed.	Orice MIRCORES
1. Stanislavskiy meditsinskiy institut.	•
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PATRIN, A.A.; YEREMCHENKO, M.I.; RYZHAKOV, P.V.; BAKHIR, Ym.V.; BEKAPOLITOV, I.P.

Goncerning the article "Mounting of wire broadcasting networks and electric power transmission lines on common poles." Prom. energ. 17 no.8:32-34 (MIRA 16:4)

1. Belomorskaya elektroset' Karel'skoy ASSR ("or Patrin). 2. Gossel'-elektronadzor, g. Groznyy (for Yeremchenko). 3. Glawnoye upravleniye elektrifikatsii sel'skogo khozyaystva, g. Groznyy (for Rymhakov).

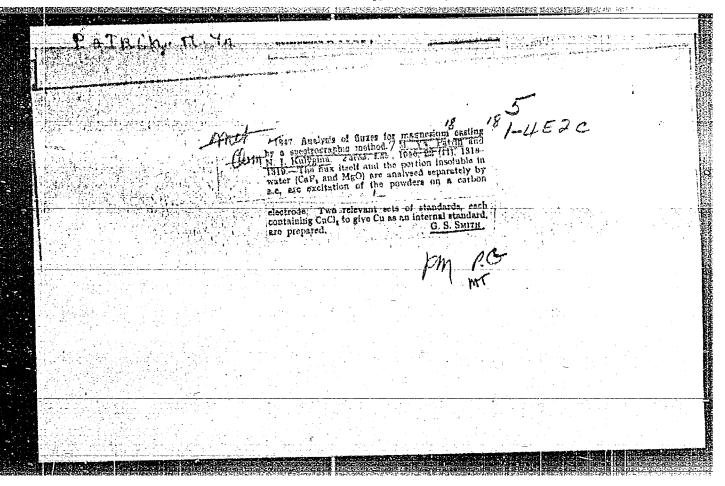
4.. Tuymazaneft' (for Bakhir). 5. Darnitskiy setevoy rayon Yugo-Zapadnoy zheleznoy dorogi (for Dekapolitov).

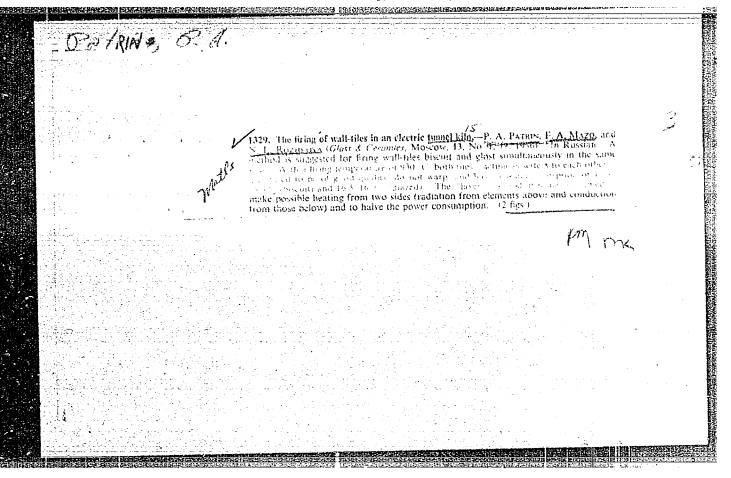
(Electric lines—Overhead) (Electric lines—Poles and towers)

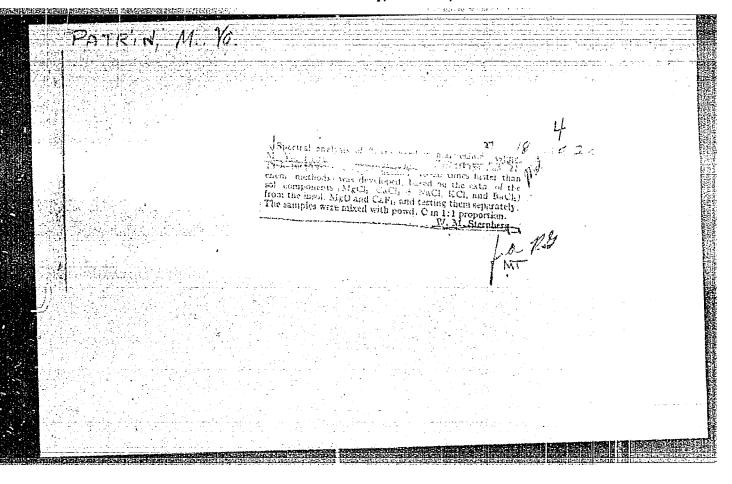
47-6-18/37 Notov, L.A., Patrin, A.L. (Moscow) Useful Advice (Poleznyye sovety): Coloring of Water (Pod-AUTHORS: krashivaniye vody) TITLE: Fizika v Shkole, 1957, #6, page 63 (USSR) For many experiments it is important to color water. The PERIODICAL: usual coloring materials leave irremovable sediments on the glass of the vessels, and the useful fluorescein is not always ABSTRACT Good results are obtained with a filtered pine salt solution. at hand. In reflected light the solution is brightly green luminescent (fluorescent), but in a passing light - yellow. The solution retains its properties for a long time and does not stain the vessel's walls. It can also be used to demonstrate the fluores-ASSOCIATION: 465th Secondary School, Moscow (465-ya srednyaya shkola, Moskva)

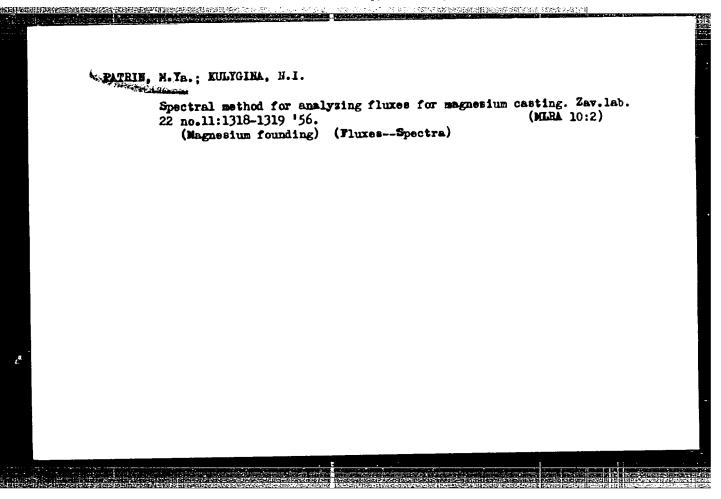
Library of Congress AVAILABLE:

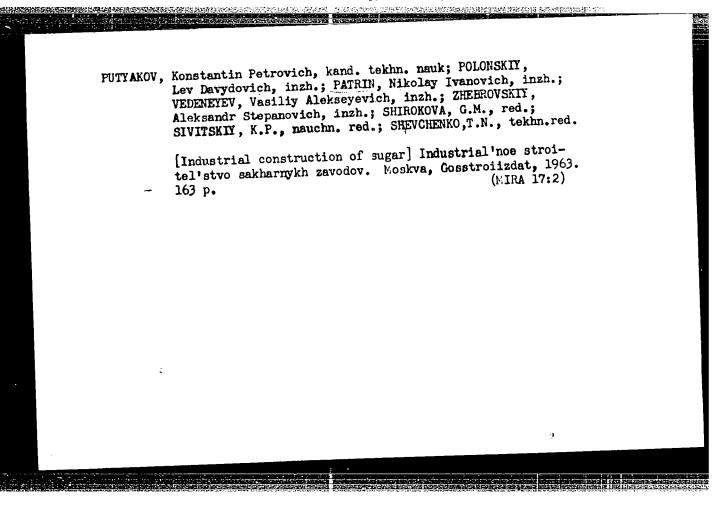
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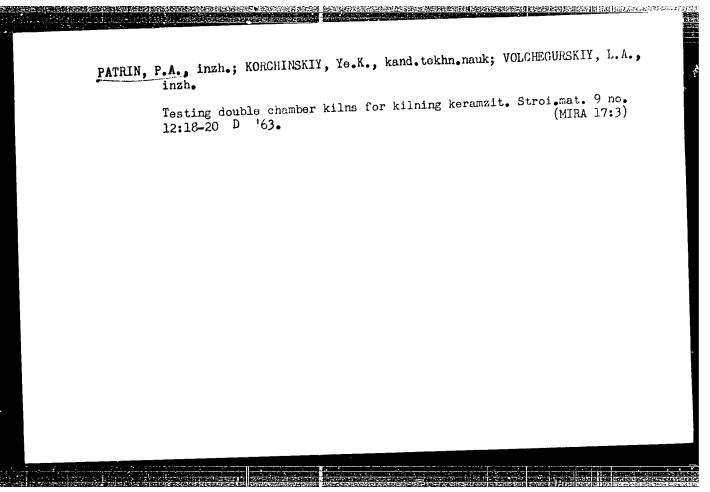


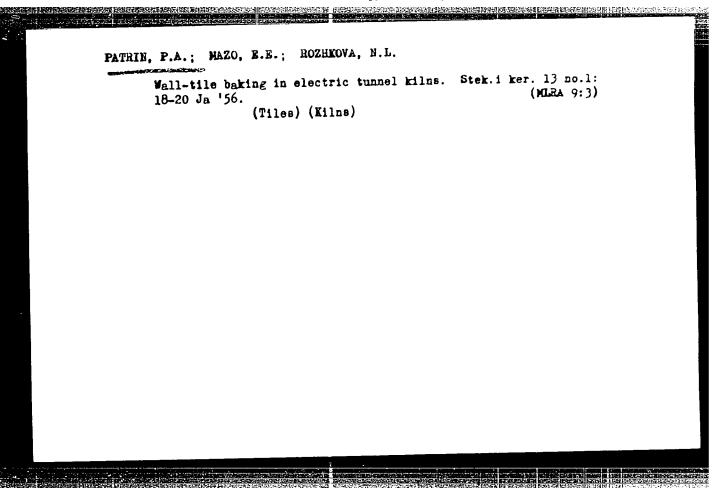


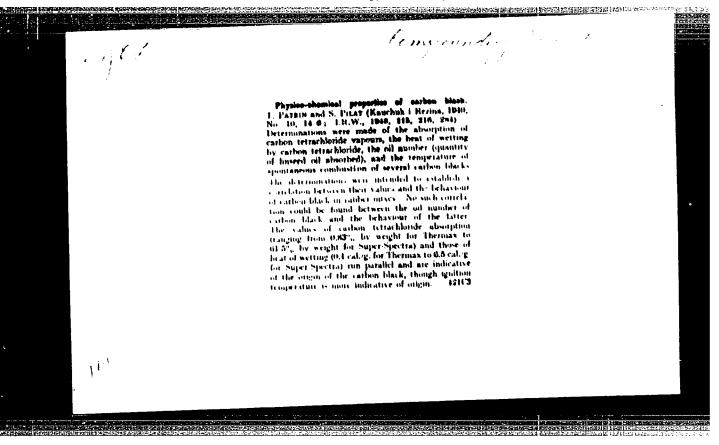


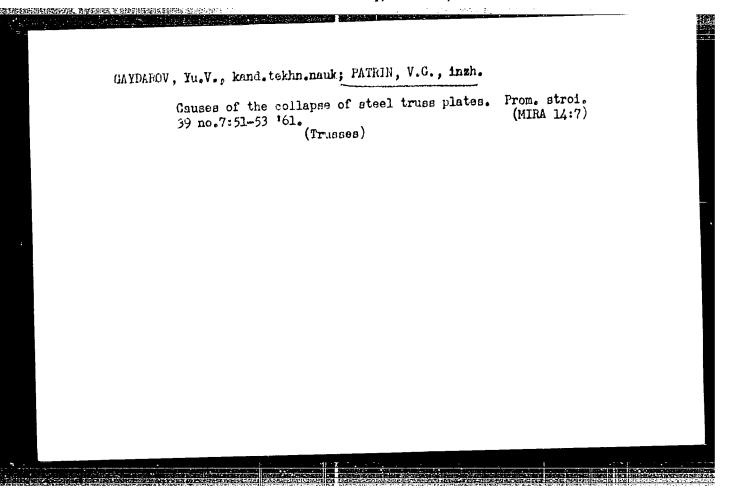












KESSEL', A., inzh.; UKHAN', Z., inzh.; PATRIN, Yu., inzh.;

DKWSKIY, A., inzh.

New machines for flour and groat mills. Muk.-elev. prom. 28

no.1:10-13 Ja '62. (MIRA 16:7)

1. Gor'kovskiy mashinostroitel'nyy zavod im. Vorob'yeva

(for Kessel', Ukhan', Patrin). 2. Gor'kovskiy mashinostroitel'
nyy zavod im. Vorob'yeva (for Demskiy).

(Grain-milling machinery)

45973-66 EWT(1)/EWT(m)/EWP(k)/T-2/EWP(w)/EWP(f)/EWP(v) I ACC NR. AT6026436 (N) SOURCE CODE: UR/0000/60	
AUTHOR: Seleznev, K. P.; Galerkin, Yu. B.; Anisimov, S. A.; Yu. V.; Simonov, A. M.; Shkarbul', S. N.	6
ORG: None	, ' B+
TITLE: Results of an investigation of impellers in centrifu	gal compressors
SOURCE: Leningrad. Nauchno-issledovatel'skiy i konstruktor kogo mashinostroyeniya. Tsentrobezhnyye kompressornyye mash sors). Moscow, Izd-vo Mashinostroyeniye, 1966, 154-166 TOPIC TAGS: centrifugal compressor, compressor blade, aerod	ing (comments)
ABSTRACT: The authors review the results of experimental an improving the aerodynamic characteristics of impellers in cell it is shown that impellers should be designed with a linear tional area with respect to channel length to improve flow of brackets be should be selected on the basis of the optimum channels between blades. Experimental investigation of a laimpellers with exit angles of 20, 49 and 90° showed that optimum efficiency have 8-12, 16-18 and 28 or However, stability is reduced with an increase in the number	entrifugal compressors. change in the cross section of the cross section of the cross section of the cross and compressors. The numerous control of the cross o

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stage car blades. types of art. has	Recomm	endations and fugal compre	ole for hig re made for essors on t	h-efficienc optimalizi he basis of	y impe ng the recen	llers with operation t experime	a large numb parameters o ntal research	f various . Orig.
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Card 2/	hs							

MATOVSKIY, I. M.; GRIGOR'YEVA, A. T.; YELETSKOVA, A. S.; ODINTSOVA, K.P. PATRINA, G. V. (Chelyabinsk).

Results of the organization of a center for occupational diseases in Chelyabinsk. 7drav. Ros. Feder. 7 no. 8:26-27 Ag '63. (MIRA 16:10) (CHELYABINSK-MEDICINE, INDUSTRIAL)

PATRIMA, I.B.

81957 S/181/60/002/04/17/034 B002/B063

24,2100 AUTHORS:

Poberovskaya, I. S. Patrina, I. B.,

Electric Properties of Some Semiconducting Oxide

TITLE:

Fizika tverdogo tela, 1960, Vol. 2, No. 4, pp. 656-662

PERIODICAL:

TEXT: The authors examined glasses of the systems $V_2^{0}_5$ - $P_2^{0}_5$, $V_2O_5 - P_2O_5 - BaO$, and $WO_3 - P_2O_5 - K_2O$ (Table). Their electrical conductivity d was measured by means of a tube voltmeter having a $1 \ni 1\pi(1E1P)$ tube. A Q-meter of the type Tecna B211 (Tesla V211) and a bridge of the type Tecna M-351 (Tesla M-351) were used to measure the dielectric losses (tan 8) and the dielectric constant E. o was determined between 290 K and 500 K. Figs. 1, 2, and 6 show the temperature dependence of o for the above-mentioned systems. The electrical conductivity of the glasses rises with their content of vanadium and tungsten. This is due to the fact that the conductivity is effected by electron transition between vanadium and tungsten ions of different valences. The conductivity of vanadium glasses mainly depends on the ratio of vanadium oxide to phosphorus oxide, and is

Card 1/2

X.

CIA-RDP86-00513R001239 APPROVED FOR RELEASE: Wednesday, June 21, 2000

IOFFE, V.A.; PATRINA, I.B.

Electron paramagnetic resonance in vanadium pentoxide single crystals. Fiz. tver. tela 6 no.10:3045-3049 0 '64.

(MIRA 17:12)

1. Institut khimii silikatov AN SSSR, Leningrad.

IOFFE, V.A.; PATRIMA, I.B. POBEROVSKAYA, I.S.

Electrical properties of some oxide semiconducting glasses. Fiz. tver. tela 2 no.4:656-662 Ap '60. (MIRA 13:10)

1. Institut khimii silikatov AW SSSR, Leningrad. (Glass—Electric properties) (Semiconductors)

EWG(j)/EWT(m)/:PF(c)/2FR/EWP(t)/EWP(b)- Pr.4/Ps-4 JD/JG · AFETR/AFWL/AS(sp)-2/ASD(a)-5/SSD/SMEM(1)/RAEH(c)/ESD(5s)/SSD(t) 5/0181/64/006/010/3045/3049 ACCESSION NR: AP4046617 AUTHORS: Toffe, V. A.; Patrina, I. B. TITLE: Electron paramagnetic resonance in single crystals dium pentoxide Fizika tverdogo tela, v. 6, no. 10, 1964, 3045-3049 SOURCE: TOPIC TAGS: vanadium compound, electron paramagnetic resonance, single crystal, hyperfine structure, temperature variation, electric conductivity ABSTRACT: The purpose of the investigation was to compare information obtained from an investigation of electron paramagnetic resonance (EPR) in Voos single crystals with the data on electric conductivity of these crystals, which the authors investigated earlier (PTT, v. 6, 2227, 1964). The methods of obtaining the samples and their properties were described in the earlier paper. The spectra Card

L 12927-65 ACCESSION NR: AP4046617

were investigated with an Re-1301 instrument at a wavelength 3.2 cm, and at 77 and ~300K. The g-factor and the hyperfine structure of the spectrum of V4+(I = 7/2) was determined. The temperature variation of the spectrum was investigated. From the fact that the number of V4+ ions remains unchanged as the temperature is varied, and that the electric conductivity is directly proportional to the number of V4+ ions in crystals from different sources indicates that the current transfer is effected by electron transitions between the V5+ ions. Arguments are presented in favor of the assumption that such migration of the electrons over the lattice sites requires less activation energy than excitation in the d-band. "We thank L. Ya. Shekun, M. M. Zaripov, G. K. Chirkin, and V. G. Stepanov for interest in the work and for useful discussions." Orig. art. has: 3 figures, 2 formulas, and 1 table.

ASSOCIATION: Institut khimii silikatov AN SSSR, Leningrad (Institute of Silicate Chemistry AN SSSR)

Card 2/3

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

ACCESSION	NR: AP404661			Ø
SUBMITTED:	23Apr64			BNCL: 00
SUB CODE:	SS, NP	NR REF SOV:	002	OTHER: 003
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L: 11/129-65 EWJ(J)/EWT(1)/EPA(a)-2/EWT(a)/EWP(w)/EPF(c)/EWA(d)/EPR/EWP(t)/EWP(b) Pr-1/Ps-1/Pt-10/Pi-1; ASD(a)-5/AFWI/AFETR/ESD(t) JD/JG

ACCESSION NR: AP4046392 S/0181/64/006/011/3227/3234

AUTHORS: Ratrina, I. B.; Ioffe, V. A.

SOURCE: Fizika tverdogo tela, v. 6, no. 11, 1964, 3227-3234

TOPIC TAGS: vanadium compound, single crystal, polycrystal, electric conductivity, thermal emf, temperature variation, oxidation, reduction

ABSTRACT: The authors investigated the effect of the degree of purification, oxidation, and reduction of $\rm V_2O_5$ on its electric conductivity and thermal emf. Polycrystalline samples were made of four types of differently treated raw material by pressing at 400 atm/cm², in the form of rectangular parallelepipeds. The pressed samples were annealed in air at 600C for several days. Single crystals were ob-

Card 1/3

L 111429-65 ACCESSION NR: AP4048392

tained by slow cooling of a melt in a gradient oven in a quartz or platinum crucible. The samples were in the form of plates elongated along the c axis. The electric conductivity and thermal emf were measured by a standard null method. The effect of heating in an oxidizing or reducing atmosphere was also investigated. The results confirm earlier measurements that the electric conductivity of V_2O_5

is affected little by the impurity content and deviation from stoichiometry at room temperatures. The thermal emf, on the other hand, shows greater sensitivity to the amount of impurity and to the effect of the surrounding atmosphere, and is more likely to be sensitive to the surface state of the sample. A future article will be devoted to electron paramagnetic resonance in V₂O₅ and to the

mechanism of electron transport in its single crystals. [Abstractor's note: The promised article was actually published in the preceding issue of this journal, no. 10, p. 3045 -- Accession Nr. AP4046617].

Card 2/3

L 11429-55
ACCESSION NR: AP4048392

"The authors thank Z. N. Zonn for help with the preparation of the samples." Orig. art. has: 5 figures and 2 tables.

ASSOCIATION: Institut khimii silikatov AN SSSR, Leningrad (Institute of Chemistry of Silicates, AN SSSR)

SUBMITTED: 23Apr64

ENCL: 00

SUB CODE: IC, SS NR REF SOV: 003 OTHER: 007

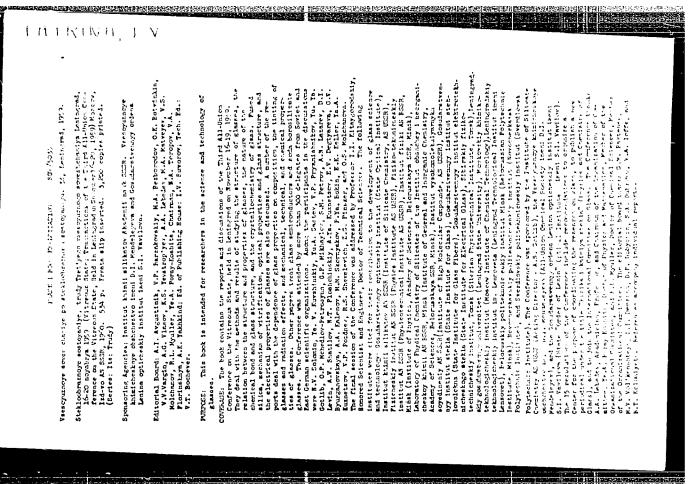
AUTHOI	AP5022718 SOURCE CODE: UR/0181/65/007/009/2754/2758 44, 55 44, 55 44, 55 44, 55 5 5 5 5 5 5
ORG: (Insti	Institute of Silicate Chemistry im. I. V. Grebenshchikov AN SSSR, Leningrad tut khimii silikatov AN SSSR)
TITLE: V ₂ O ₅ (Relationship between electrical conductivity and the state of V ⁴⁺ ions in crystals
SOURCE	: Fizika tverdogo tela, v. 7, no. 9, 1965, 2754-2758
ABSTR/ nance pole : The me experi given an imp single	TAGS: vanadium pentoxide, single crystal, EPR spectrum 17 21,44155 1 ACT: The authors study electrical conductivity and electron paramagnetic resospectra in single crystals of V_2O_5 with an admixture of 0.13 HoO_3 , and quadrusplitting in nuclear magnetic resonance spectra of V^{51} in V_2O_5 single crystals at those and equipment used for preparation of the specimens and carrying out the iments are described in detail. Electron paramagnetic resonance spectra are for the tetravalent vanadium ion in a pure single crystal and in a crystal with our of HoO_3 . The experimental data show that V^{67} ions may be present in a crystals of V_2O_5 in two energy states. Electron paramagnetic resonance data that both V^{67} ions as well as the Fe^{37} ion are in an octahedral field with a gazial component along axis b . An ion model is proposed for this type of street.
strong	

DMITRIYEVA. L.V.; IOFFE, V.A.; FETRINI, L.B.

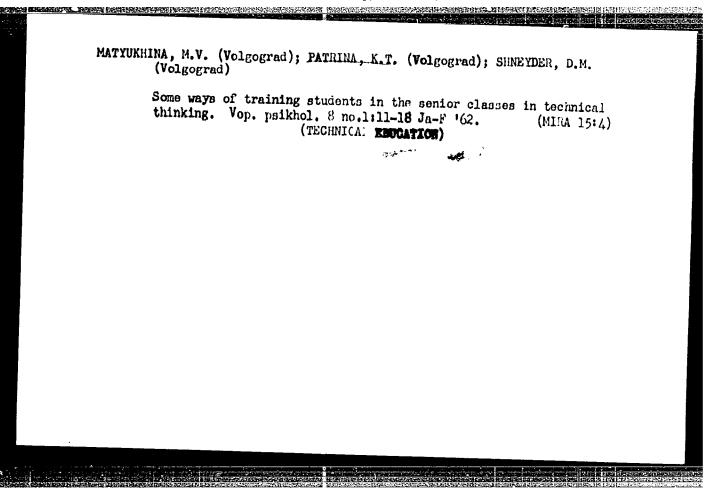
Relation between the electroconductivity and state of V4* tons in V205 crystals. Piz. tver. telm 7 no.9%2754-2758 S *65.

(MIR: 18:10)

1. Institut khimit milikutov imeni L.V.Grebenshchtkova AN SSSR, Leningrad.



SC-S loop	Chemical Fregoriton of Glarens	laureco Ald	Study of the Inter-		-1	Ayz not Barnitor Kitts Agin on Acid	a the Structure of Inmude Glade 435	rlica of Fornte Gladaca Ny7	801/2035	ministy. On the Role of Aluminus in	and Study of the	***************************************	ľ	ar Claricet	64 3	Twickayo. Electrical Proposition of	* Obilo. Witheous State is 455	A Properties of Cantegord's Glassakin	אנט/ ענא	212	465	operator of forester and 2 * contest), preside of Arrents	and an end Tenderry to Vitentfination				in turn and include of the flat.
		Dubrovo, B.K. Chanlen Preparties of Claress	Nikolikiy, B.P., Te.A. Hetricra, and T.V. Hoteger. Seties of Pietrois Glasses Mith Colutions by Heast Indicate (Filips)	Dubrewrkly, V.A., and T.S. Phymorchapa. On the Composition of the Confusion of the	Eukorina, V.F. Effect of Alk-1; Earth P Stability of Glasser	Abrengen, A.V. Lemching of Pured Viterage Bernite Mith Agra up Acid	Manager 2 vs. granter of the Oxides in	Card 19/22	Vitrous State (Cent.)	Derborolov, H.A., E.F. Harov, and V.S. Empirichly.	Brekhonskilt, S.M., mad V.M. Scengeva. : Properties of Esfalus Silleste Glasses	Discussion	FOR VINCOL STRING OF A STRING HAR	Sent conductor Clares	Folchiyets, F.T. Senteonductor dinaces	loffe, W.A., I.V. Patrich, and S.V. Poberoveknyo. Some Semiconduster Cales Glassem	Estantyets, P.T., F.A. Corress, and V.P. Stile. Chalcognides	Koloriyeta, P.T. ezi B.V. Paylov. Optical Properties of Cunlocycuis Glasmoskio Ceri 19/22	Vitrous State (Cast.)	Enlouists, B.T., T.E. Manontown, and T.P. Kennelva. of Chalconnects disease	Physolin, A.t., and Fe.A. Forexement	A-Day Differentia first of Nicrous Chalegraphs of Present	Administration Video and Niv. The means. Comment and Traders, ter Vitarities of Builtides of Group T Electric In the Ferialists System of Built Montalises.	Discussion	Sola Borestillente dinrec	Dobychin, D.P. Coultal of Lines Older Vice fore and Frillers of the	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1



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AUTHORS:

Zorina, N. S. and Patrina, N. A. Candidate of Technical

Sciences

TITLE:

Sintered metal soft magnetic material for automobile

electrical equipment parts

PERIODICAL: Avtomobil'naya promyshlennost', no. 2, 1960, 38

TEXT: The NIITAvtoprom (Technological Scientific Research Institute of the Automobile Industry) and the NIIAvtopribor (Scientific Research Experimental Institute of Automobile Electrical Equipment and Instruments) have studied the possibility of manufacturing magnetic conducting parts in automobile electrical equipment from cheap iron powder derived from the reduction of rolling-mili scale. Their research has shown that electric motor stators can be manufactured from AM reduced iron powder by a technological process which includes: roasting the powder in a hydrogen atmosphere at 1,00°C for 2 hours; screening; pressing at 8 ton/cm²; sintering in a hydrogen atmosphere at 1,150-1,170°C for 1.5 hours; calibration Card 1/2

PATRINA, N.A., kand. tekhn. nauk; MESHCHERINOVA, O.N., kand. tekhn. nauk

Using boron steels in manufacturing automobile starters.
Avt. prom. 29 no.8:27-29 Ag '63. (MIRA 16:11)

1. Nauchno-issledovatel'skiy i eksperimental'nyy institut
avtomobil'nogo elektrooborudovaniya i priborov (for Patrina).

ZORINA, E.S.; PATRINA, N.A., kand.tekhn.nauk

Metal-powder soft-magnetic materials for parts of electric equipment of automobiles. Avt.prom. no.2:38 F 60. (MRL 13:5)

1. NIITAvtoprom i Nauchno-issledovatel'skiy eksperimental'nyy institut avtotaraktornogo elektrooborudovaniya i priborov.

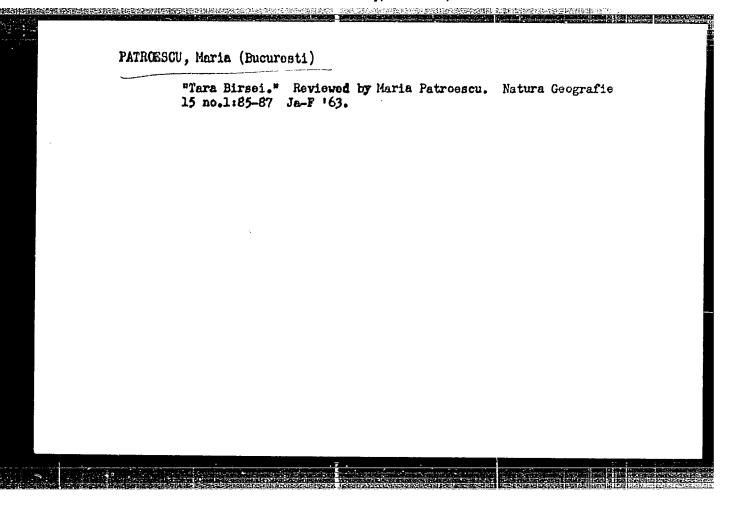
(Automobiles---Electric equipment)

LIETKOVA, M.G.; PATRINA, N.D.; KRURYARTS, I.L.

Properties of & Aliphenyl- & propiothiolactone. Izv. AN SSSR Otd. khim. nauk no.10:1825-1827 0'60. (MIRA 13:10)

1. Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR. (lactones)

PATRNA,	H•
	Pathogenesis of malignant growth. Cas. lek. cesk. 103 no.39: 1091-1094 25 S '64.
	1. Obvodniho ustavu narodniho zdravi Liberec.
- Carlos de La Carlo	



VSKIY, I.Ye., kand.tekhn.nauk; PATRONOVA, M.V., inzh.
Study of the shale grinding operation of hammer mills. Teploenergetika 11 no.2:50-55 F '64. (MIRA 17:4)
1. TSentral'nyy kotloturbinnyy institut.

